APPENDIX A: ACRONYMS

A

ABD	Architecture Block Diagram
AC	Alternating Current
AMP	Analysis Management Plan
AMS	Acquisition Management System
AND	Associate Administrator for NAS Development
ANSI	American National Standards Institute
APB	Acquisition Program Baseline
AR	Acquisition Review
ARP	Aerospace Recommended Procedure
ASR	Airport Surveillance Radar
ATM	Air Traffic Management
ATM	Automated Teller Machine

C

C&A	Certification and Accreditation
CCB	Configuration Control Board
CDRL	Contract Data Requirements List
CFD	Control Flow Diagram
CFE	Contractor-Furnished Equipment
CHI	Computer-Human Interface
CI	Configuration Item
CM	Configuration Management
CNS	Communications, Navigation, and Surveillance
CONOPS	Concept of Operations
COTS	Commercial-Off-the-Shelf
CSA	Comparative Safety Assessment
CSC	Computer Software Component
CSCI	Computer Software Configuration Item
CSE	Computer Software Elements
CSU	Computer Software Unit

D

DAR	Design Analysis Report
DC	Direct Current
D/CFD	Data/control flow diagrams
DD	Data Dictionary
DFD	Data Flow Diagram
DoD	Department of Defense
DOORS	Dynamic Object-Oriented Requirements System

E

E^3	Electromagnetic Environmental Effects
ECP	Environmental Compliance Plan

EIA	Electronic Industries Alliance
EM	Electromagnetic
EMC	Electromagnetic Compatibility
EME	Electromagnetic Environment
EMI	Electromagnetic Interference
EPA	Environmental Protection Agency
Ext	External

F

FA	Functional Analysis
FAA	Federal Aviation Administration
FAALC	FAA Logistics Center
FAD	Functional Analysis Document
FAE	Federal Acquisition Executive
FAR	Functional Architecture Referencing
FAST	Federal Aviation Administration Acquisition System Toolset
FBR	Functional Baseline Review
FCC	Federal Communications Commission
FFD	Functional Flow Diagram
FISMA	Federal Information Security Management Act
FMEA	Failure Modes and Effects Analysis
FMECA	Failure Modes and Effects Criticality Analysis
FMES	Failure Modes and Effects Summary
FRACAS	Failure Reporting Analysis and Corrective Action System
fRD	final Requirements Document
FTA	Fault Tree Analysis

G

GAO	General Accounting Office
GPS	Global Positioning System

H

HERF	Hazard of EM Radiation to Fuels
HERP	Hazard of EM Radiation to Personnel
HMM/EE	Hazardous Material Management/Environmental Engineering
HWCI	Hardware Configuration Item

I

IA	Integrity of Analyses
IA	Investment Analysis
IARR	Investment Analysis Readiness Review
IAW	In Accordance With
ICAO	International Civil Aviation Organization
ICD	Interface Control Document
iCMM	integrated Capability Maturity Model
ICR	Interface Change Request
IDEF	Integrated Definition

IEEE   Institute of Electrical and Electronics Engineers, Inc.
I/F   Interface
IFR   Instrument Flight Rules
IM   Interface Management
ILSP   Intergrated Logistics Support Plan
IOT&E   Independent Operational Test & Evaluation
IPP   Integrated Program Plan
IPS   Integrated Program Schedule
IR   Infrared
iRD   initial Requirements Document
IRD   Interface Requirements Document
IRT   Integrated Requirements Team
ISD   In Service Decision
ISE   Information Security Engineering
ISO   International Organization for Standardization
ISR   In Service Review
ISRR   Initial System Requirements Review
ISS   Information Systems Security
ISP   Information Systems Security Pla
ITP   Integrated Technical Planning
IWG   Interface Working Group

J

JRC   Joint Resources Council

L

LCE   Lifecycle Engineering

M

MA   Mission Analysis
M&C   Monitor and Control
MASPS   Minimum Aviation System Performance Standards
MIL-STD   Military Standard
MND   Mission Need Decision
MNS   Mission Need Statement
MOE   Measures of Effectiveness
MOPS   Minimum Operational Performance Standards
MRS   Mature Requirements Statement
MTBF   Mean Time Between Failures
MTTR   Mean Time To Restore
MVP   Master Verification Plan

N

N^2 N-squared
NAILS   National Airspace Integrated Logistics Support
NAS   National Airspace System
NCP   NAS Change Proposal

NDI   Nondevelopmental Item
NIST   National Institute of Standards and Technology

O

OMB   Office of Management and Budget
OOA   Object-Oriented Analysis
ORD   Operational Requirements Document
OSA   Operational Safety Assessment
OSED   Operational Services and Environmental Description
OSHA   Occupational Safety and Health Administration
OSI   Open System Interconnection

P

PBM   Process-Based Management
PDR   Preliminary Design Review
PHA   Preliminary Hazard Analysis
PIN   Personal Identification Number
PRS   Primitive Requirements Statement
P-Spec   Process Specification
PTR   Program Trouble Report
PUI   Program-Unique Identifier

Q

QFD   Quality Function Deployment

R

RADHAZ   Radiation Hazard
RCM   Reliability-Centered Maintenance
RDGT   Reliability Development Growth Testing
RF   Radio Frequency
RFP   Request for Proposal
RM   Requirements Management
RMA   Reliability, Maintainability, Availability
ROM   Rough Order of Magnitude
RPG   Radar Product Generator
RSK   Risk Management
RVCD   Requirements Verification Compliance Document

S

SAE   Society of Automotive Engineers
SARP   Standards and Recommended Practices
SBD   Schematic Block Diagram
SDP   Software Development Process
SDR   System Design Review
SE   System Engineering
SEC   System Engineering Council

SEM	System Engineering Manual
SEMP	System Engineering Management Plan
SFRA	System Functional Requirements Analysis
SHA	System Hazard Analysis
SI	Solution Implementation
SOW	Statement of Work
SP	Special Publication
SpecEng	Specialty Engineering
SRVT	Safety Requirements Verification Table
SSAR	System Safety Assessment Report
SSE	System Safety Engineering
SSH	System Safety Handbook
SSHA	Subsystem Hazard Analysis
SSMP	System Safety Management Program
SSP	System Security Plan
SSPP	System Safety Program Plan
SSWG	System Safety Working Group
STD	Standard
STD	State Transition Diagram
Syn	Synthesis

T

T&E	Test and Evaluation
TLS	Timeline Sheet
TPM	Technical Performance Measure
TS	Trade Studies

U

UML	Unified Modeling Language
URL	Uniform Resource Locator

V

VFR	Visual Flight Rules
VOR	Very High Frequency Omnidirectional Range
VRR	Verification Readiness Review
VRTM	Verification Requirements Traceability Matrix
V&V	Validation & Verification

W

WARP	Weather and Radar Processor
WBS	Work Breakdown Structure
WSP	Weather System Processor